



	1	50
AiBtR	(1) MGVDVRILTAALVLLAASSTTSAQGMPFESRCAYMTDIPRPDERPELPPI	
SfBtR	(1) MAVDVRILTATLLVLTATAQRDR-----CGYMVEIPRPDRP-DFPPQ	
HzBtR	(1) MAVDVRILTAAVFIIAAHLTFAQD-----CSYMVAIPRPERP-DFPSL	
OnBtR	(1) MGVERFFPAVLLVSLASAALANQR-----CSYIIAIPRPETP-ELPPI	
BmBtR	(1) MGVDVRILATLLLIYAETVLAQER-----CGFMVAIPRPPRP-DLPPEL	
MsBtR	(1) MAVDVRIAAFLLVFIAPAVLAQER-----CGYMTAIPRLRPDNLPLVL	
	Signal Peptide	
	51	100
AiBtR	(51) IYDGLSWNERPLVPANEDRLDVCMEFF-----RGMQYIFMEEEEIHGD	
SfBtR	(43) NFDGLTWAQQPLLPAED-REEVCLNDYEPDPWSNNHGDQRIYMEEEEIEGP	
HzBtR	(43) NFDGIPWSRYPLIPVEG-REDVCMNEFQ---PDALNPVTVIFMEEEEIEGD	
OnBtR	(43) DYEGKSWSEQPLIPGPT-REEVCMEN-----FLPDQMIQVIYMEEEEIEGD	
BmBtR	(43) DFEGQTSQRPLIPAAD-REDVCMGDYH--AMTPTYGTQIIYMEEEEIEGE	
MsBtR	(44) NFEGQTSQRPLLPAPPE-RDDLCDAYH--VITANLGTQVIYMDEEIEDE	
	101	150
AiBtR	(94) VPIAKLNYIGDKIPYVHSTFTVGSFRLLGPEIRKISG---DWHLVITNRQ	
SfBtR	(92) VVIKINYQGNTPPQIRLPFRVGAHMLGAEIREYPDATGDWYLVITQRQ	
HzBtR	(89) VAIARLNYRGNTPTIVSPFSFGTFNMLGPVIRRIPEGGDWHLVITQRQ	
OnBtR	(87) VIIAKLNYQG--SNTPVLSIMSGQPRAQLGPEFRQNEADGQWSLVITQRQ	
BmBtR	(90) VPIAKLNYRGNVPYIEPAFLSGSFNLLVPVIRRIPDSNGEWHLIITQRQ	
MsBtR	(91) ITIAILNYNGPSTPFIELPFLSGSYNLLMPVIRRVDN--GEWHLIITQRQ	
	151	200
AiBtR	(141) DYEAG-TWFHAFTIRIDN-EVDAEVM LAIVNIDDNDPLIDLSEPCQIAEQ	
SfBtR	(142) DYETPDMQRYTFDVSVEGQSLVVTVRLDIVNIDDNAPIIEMLEPCNLPEL	
HzBtR	(139) DYETPGMQQYIFDVRVDDEPLVATVMLLIVNIDDNDPIIQMFEPCDIPER	
OnBtR	(135) DYETATMQSYVFSIQVEGESQAVLVALEIVNIDDNPPILQVVSACVIPEH	
BmBtR	(140) DYETPGMQQYVFNIRIDGETLVAGVSLIVNIDDNAPIIQALEPCQVDEL	
MsBtR	(139) HYELPGMQQYMFNVRVDGQSLVAGVSLAIVNIDDNAPIIQNFEPICRVPEL	
	201	250
AiBtR	(189) RDARSVKTCRYIVHDVDGEISTRFRMYEIESGRG-DEEVFSLVREQAPNN	
SfBtR	(192) VEPH-VTECKYIVSDADGLISTSVMSYHIDSERG-DEKVFELIRKDYPG-	
HzBtR	(189) GETG-ITSCKYTVSDADGEISTRFRMFEISSDRD-DDEYFELVRENIQG-	
OnBtR	(185) GEAR-LTDCVYQVSDRDGEISTRFMTRVDSSRAADESIFYMVGEYDPS-	
BmBtR	(190) GEAR-LTECVYVVTADGRISTQFMQFRIDSDRG-DDKIFYIQGANIPG-	
MsBtR	(189) GEPG-LTECTYQVSDADGRISTEFMTFRIDSVRG-DEETFYIERTNIPN-	
	251	300
AiBtR	(238) EMMWCYMVVEVKGSLDFAQNPLHIFRAHAFDSKDNTHSVLMTVEVKNEQ	
SfBtR	(239) DWTKVYMVLELKKSLDYEENPLHIFRVTASDSLNNRTVMMVEVENVEH	
HzBtR	(236) QWMYVHMRVHVKKPLDYEENPLHLFRVTAYDSLNNHTVTMMVQVENVEN	
OnBtR	(233) DWFNMKMTVGINSPLNFETTQLHIFSVTASDSLNNHTVTMMVQVENVES	
BmBtR	(237) EWIRMTMTVGINEPLNFETNPLHIFSVTALDSLNNHTVTLMVQVENVEH	
MsBtR	(236) QMMWLNMTIGVNTSLNFVTSPLHIFSVTALDSLNNHTVTMMVQVANVNS	

FIG. 2A

	301	350
AiBtR	(288)	RPPQWIEIFAVQQFDEKIKKSFRVRAIDADTGINKTISYRLRTAVGEENL
SfBtR	(289)	RNPRWMEIFAVQQFDEKQAKSFTVRAIDGDTGINKPIFYRIETEDEDKEF
HzBtR	(286)	RPPRWMEIFAVQQFDEKTEQSFRVRAIDGDTGIDKPIFYRIETEKGEEDL
OnBtR	(283)	RPPRWVEIFSVQQFDEKTNQSFSLRAIDGDTGINRAINYTILIR-DDADDF
BmBtR	(287)	RPPRWVEIFAVQQFDEKTAQSFVRAIDGDTGINKPIHYRLET-AEEDTF
MsBtR	(286)	RPPRWLEIFAVQQFEEKSYQNFTVRAIDGDTINMPINYRLIT-NEEDTF
	351	400
AiBtR	(338)	FELETKEGSQ-GVWLHVGPIDRDELEKEVFLLSIIAYKYGDDG----TLY
SfBtR	(339)	FSIENIGEGRDGARFHVAPIDRDYLRDMFHRIIAYKQGDNDKEGESSF
HzBtR	(336)	FSIQTIEGGREGAWFNVAPIDRDTLEKEVFHVSIIAYKYGDNDVEGSSSF
OnBtR	(332)	FSLEVEDG---AILHVTEIDRDKLERELFNLITIVAYKSTD-----ASF
BmBtR	(336)	FHIRTIEGGRSGAILYVDPIDRDTLQREVFQLSIIAYKYDN-----ESS
MsBtR	(335)	FSIEALPGGKSGAVFLVSPIDRDTLQREVFPLTIVAYKYDE-----EAF
	401	450
AiBtR	(383)	ETPANITIIIINDVNDQLPSPLKEGGVYTIDIMEETPMTLN-LENFGFHDR
SfBtR	(389)	ETSANVTIIIINDINDQRPEPFHK--EYTIISIMEETAMTLD-LQEFGFHDR
HzBtR	(386)	QSKTDVVIIVNDVNDQAPLPFRE--EYSIEIMEETAMTLN-LEDFGFHDR
OnBtR	(373)	ATEAHIFIIVNDVNDQRPEPLHK--EYSIDIMEETPMTLNFNEEFGFHDR
BmBtR	(380)	ATAANVVIIVNDINDQRPEPLFK--EYRLNIMEETALTNLNFDQEFGFHDR
MsBtR	(379)	STSTNVVIIVTDINDQRPEPIHK--EYRLAIMEETPLTLNFDKEFGFHDK
	451	500
AiBtR	(432)	DLGPNAQYNVRLESVYPDGVHEAFYIAPERGYQRQSFFLSTQNHHMLDYE
SfBtR	(436)	DIGPHAQYDVHLESIQPEGAHTAFYIAPEEGYQAQSFTIGTRIHNMLDYE
HzBtR	(433)	DLGPHAQYTVHLESIHPPRAHEAFYIAPEVGYQRQSFIMGTQNHHMLDFE
OnBtR	(421)	DLGENAQYTVELEDVFPFGAASAFYIAPGSGYQRQTFIMGTINHTMLDYE
BmBtR	(428)	DLGQNAQYTVRLES DY PDA AAKAFYI APEVGYQRQTFIMGTANHKMLDYE
MsBtR	(427)	DLGQNAQYTVRLESVDPPGAEEAFYI APEVGYQRQTFIMGTNLHSMMLDYE
	501	550
AiBtR	(482)	NETVDFTKIQIKAVAIDSLNNTMKGFATININLINWNDELPIFKNSVQNV
SfBtR	(486)	DDD-YRPGIKLKAVAIDRHDNNHIGEAIIININLINWNDELPIFDEDAYNV
HzBtR	(483)	VP--EFQNIQLRAVAIDMDDPKWVGIAIINIKLINWNDELPMFESDVQTV
OnBtR	(471)	DV--IFQNIIIKVKAVDMNNASHVGEALVYVNLINWNDELPIFEESYSA
BmBtR	(478)	VP--EFQIRIRLVIATDMDNEEHVGVAYVYINLINWNDEEPIFEHSVQNV
MsBtR	(477)	VP--EFQSITIRVVATDNDTRHVGVALVHIDLINWNDEQPIFEHAVQTV
	551	600
AiBtR	(532)	SFPETVAAGFHVATIKAEDRDVGDRVEHSLMGNVDFLTIDKYSGEIFVA
SfBtR	(535)	TFEETVGDGFHIGKYRAKDRDIGDIVEHSILGNAANFLRIDIDTGDVYVS
HzBtR	(531)	SFDETEGAGFYVATVVAKDRDVGDKVEHSLMGNVSYLRIDKETGEIFVT
OnBtR	(519)	SFKETVGAGFPVATVLALDRDIDDVVVHSLMGNVDFLIDESTGEIFVS
BmBtR	(526)	SFKETEGKGFFVANVRAHARDIDDRVEHTLMGNANNYLSIDKDTGDIHVT
MsBtR	(525)	TFDETEGEGFFVAKAVAHARDIDGVDVEHTLLGNVNFLLTIDKLTDGDIRVS

FIG. 2B

	601	650
AiBtR	(582) VNNSFNYHRQNELFIQIRADDTLGEGPYHTTTSQLVVIYLEDVNNTPPVLR	
SfBtR	(585) RDDYFDYQRQNEIIVQILAVDTLG-LPQNRATTQLTIFLEDINNTPPILR	
HzBtR	(581) ENEAFNYHRQNELFVQIPADDTLG-EPYNTNTTQLVIKLRDINNTPPTLR	
OnBtR	(569) MDDAFDYHRQNTLFVQVRADDTLG-DGPHNTVTTQLVIELEDVNNTPPTLR	
BmBtR	(576) QDDFFDYHRQSELFVQVRADDTLG-EPFHTATSQLLIHLEDINNTPPTLR	
MsBtR	(575) ANDSFNYHRESELFVQVRATDTLG-EPFHTATSQLVIRLNDINNTPPTLR	
	651	700
AiBtR	(632) LPRRGPHVEENVPHGHPITNDDGIQLIASDPDTTAEWFEIDWEESYATK	
SfBtR	(634) LPRSSPSVEENVVEVGHPIEG--LTATDPDT--TADLHFEIDWDNSYATK	
HzBtR	(630) LPRATPSVEENVPDGFVIP----TQLHATDPDTTAEWFEIDWQNSYATK	
OnBtR	(619) LPRSTPSVEENVPEGYEIS----REITATDPDTSAYLWFEIDWDSTWATK	
BmBtR	(625) LPRGSPNVEENVPEGYIIT----SEIRATDPDTTAEWFEIDWTSYATK	
MsBtR	(624) LPRGSPQVEENVPDGHVIT----QELRATDPDTTADLRFEINWDTSFATK	
	701	750
AiBtR	(682) QGNE-TLKDEYRNCIEILTRYQDENRKGEAYGVLEVRQIRDDPVVTIDYE	
SfBtR	(680) QGTNGPNTADYHGCVEILTVPDPDNHGRAEGHLVAREVSDG--VTIDYE	
HzBtR	(676) QGRN-TDSKEYIGCIEIETIYPNINQRGNAIGRVVREIRDG--VTIDYE	
OnBtR	(665) QGRE-TNPTEYVGCIVETIYPTTEGNRGSAGRLVVQEIRDN--VTIDFE	
BmBtR	(671) QGRE-ANPIEFHNCVEIETIYPAINNRGSAGRLVVKKIREN--VTIDYE	
MsBtR	(670) QGRQ-ANPDEFRCNVEIETIFPEINNRLAIGRVVAREIRHN--VTIDYE	
	751	800
AiBtR	(731) EFEVLYLVVRVRDRNTTLGDDYDEGTLTITIIDMNDNWPTWEEGQLTQQF	
SfBtR	(728) KFEVLYLVVRVIDRNTVIGPDYDEAMLTVTIIDMNDNWPWADNTLQQT	
HzBtR	(723) MFEVLYLTVVRDLNTVIGEDHDISTFTITIIDMNDNPLWVEGTLTQEF	
OnBtR	(712) EFEMLYLTVVRDLNTVIGDDYDEATFTITIIDMNDNAPIFANGTLTQTM	
BmBtR	(718) EFEMLYLTVVRDLNTVIGDDYDESTFTITIIDMNDNPPWVPGTLEQSL	
MsBtR	(717) EFEVLSLTVVRDLNTVYGDDYDESMLTITIIDMNDNAPVWVEGTLQNF	
	801	850
AiBtR	(781) RVREMSLSGVVIGSLRATDRDGPLYNQVRYTIQPDGTPADLVAIDFRTG	
SfBtR	(778) RVREMADEGVIVGTLLATDLGPLYNRVRYTMVPIKDTPDDLIAINYVTG	
HzBtR	(773) RVREVAASGVVIGSVLATDIDGPLYNQVRYTITPRLDTPEDLVDIDFNTG	
OnBtR	(762) RVRELAASGTLIGSVLATDIDGPLYNQVRYTIQPRNNTPEGLVKIDFTTG	
BmBtR	(768) RVREMSDAGVVIGTLTATDIDGPLYNQVRYTMKANEGTPENLLMIDFYTG	
MsBtR	(767) RVREMSAGGLVVGSVRADDIDGPLYNQVRYTIFPREDTDKDLIMIDFLTG	
	851	900
AiBtR	(831) QMTVQKNQAIDADVPPRFNLYYTVTASDKCSMEDQS-NCPDDKTYWNTTA	
SfBtR	(828) QLTVNKGQAIDADDPPRFYLYYKVTAASDKSLDEFFPVCPPDPTYWNTG	
HzBtR	(823) QISVKLHQAIDADEPPRQNLYYTVIASDKCDLLTVT-ECPPDPTYFETPG	
OnBtR	(812) QIEVDANEIDADEPWRFYLYYTVIASDECSLENRT-ECPPDSNYFEVPG	
BmBtR	(818) QITVKTSGAIDADVPPRYNLYYTVVATDRCYAEDPD-DCPPDPTYWETPG	
MsBtR	(817) QISVNTSGAIDATPPRFHLYYTVVASDRCSTEDPA-DCPPDPTYWETG	

FIG. 2C

	901	950
AiBtR	(880)	KIAIQVIDTNNKVPFVEPEKFKNEVTIVEDPVTGDVTFLTSESIYEDAVS
SfBtR	(878)	EIAIAITDTNNKIPRAET-----DMFPSEKRIYENTPN
HzBtR	(872)	EITIHITDTNNKVPQVE-----DDKFEATVYIYEGADD
OnBtR	(861)	DIEIEIIDTNNKVPEPL-----TEKFNTTVYVWENATS
BmBtR	(867)	QVVIQIIDTNNKIPQPE-----TDQFKAVVYIYEDAVS
MsBtR	(866)	NITIHITDTNNKVPQAE-----TTKFDTVYIYENATH
	951	1000
AiBtR	(930)	GDHVFQLFVGDLDRDLPNNNVSYTINFGVNPRIRDFFEVDLVTGWVRVHY
SfBtR	(911)	GTKITTIIASDQDRDRPNNALTYRINYAFNHRLENFFAVDPDTGELFVHF
HzBtR	(905)	GQHVVQIYASDLDRDEIYHKVSYQINYAINSRLRDFFEVDLDTGRLEVHY
OnBtR	(894)	GDEVVQLYSHDRDRDELYHTVRYTMNFAVNPRLRDFFEVDLDTGRLEVHY
BmBtR	(900)	GDEVVKVIGSDDLDRDDIYHTIRYQINYAVNPRLRDFFEVDLDTGRVYVY
MsBtR	(899)	LDEVVTLIASDLDRDEIYHTVSYVINYAVNPRLMNFFSVNRETGLVYVDY
	1001	1050
AiBtR	(980)	PG---PDKLDRDGDEPTTHRIHFSIFDNFMSEGEPPNRNQISGEALIIILLDV
SfBtR	(961)	TTS---EVLDRDGEEPEHRIIFTIVDNLEGAGDGNQNTISTEVRVILLDI
HzBtR	(955)	TAG---ELLDRDGDEPTTHRIFFNVIDNFYGECDGNRNQNETQVLVVLLDI
OnBtR	(944)	PG---DEKLDRDGDEPTHTIFVNFIDNFFSDGDGRNRNQDEVEIFVVLLDV
BmBtR	(950)	TT---DEVLDRDGDEPQHRIFFNLDNFFQQGDGNRNQNDAEVLVVLLDV
MsBtR	(949)	ETQGSGEVLDRDGDEPTTHRIFFNLIDNFMGECEGGRNRNQNDTEVLVILLDV
	1051	1100
AiBtR	(1027)	NDNKPPELSPDSFPPWTVSESVVEGVRIPEILAPDRDEPGTDNSRVAYD
SfBtR	(1008)	NDNKPPEL-IPDGEFWTVSEGEVEGKRIPPEIHAHDRDEPFNDNSRVGYE
HzBtR	(1002)	NDNYPELP---ETIPWAISESLELGERVQPEIFARDRDEPGTDNSRVAYA
OnBtR	(991)	NDNAPEMPL-PDELRFVDVSEGAVAGVRVLPEIYAPDRDEPDTNSRVGYG
BmBtR	(997)	NDNAPELPE-PDELSWSVSESLTKGTRLQPHIYAPDRDEPDTNSRVGYA
MsBtR	(999)	NDNAPELPP-PSEL SWTISENLKQGVRLPHIFAPDRDEPDTNSRVGYE
	1101	1150
AiBtR	(1077)	LLGVTPER-DIEVPQLFKIETIEKDLG-INQTGILETVTPLOGYWGTYEI
SfBtR	(1057)	IRSIKLINRDIELPQDPFKIITIDDLDTWKFGVGELETTMDLRGYWGTYDV
HzBtR	(1049)	ITGLASTDRDIQVPNLFNMITIERDRG-IDQTGILEAAMDRLRGYWGTYQI
OnBtR	(1040)	ILDLTITDRDIEVPDLFTMISIEN-----KTGELETAMDRLRGYWGTYEI
BmBtR	(1046)	IISLTIANREIEVPDLFTMIQIQN-----VTGELETAMDRLRGYWGTYAI
MsBtR	(1048)	ILNLSTER-DIEVPDLFVMIQIAN-----VTGELETAMDRLRGYWGTYAI
	1151	1200
AiBtR	(1125)	HIKAFDHGDPRQESDEKYQLVVRPYNFHEPTFVFPPLDGSAILSRDRAIV
SfBtR	(1107)	EIRAFDHGFPMLDSFETYQLTVRPYNFHSVPFVFPPTGSTIRLSRERAI
HzBtR	(1098)	DIQAYDHGIPQRISNQYPLVIRPYNFHDVPFVFPQPGSTIRLAKERAVV
OnBtR	(1084)	FIEAFDHGYPQQRSNETYTLVIRPYNFHHVPFVFPQPD SVIRLSRERATE
BmBtR	(1090)	HIKAYDHGIPQQMSNETYELVIRPYNFHAPFVFPK HGATLRLARERAVV
MsBtR	(1091)	HIRAFDHGIPQMSMNETYELI IHPFNYYAPEFVFP TNDAVIRLARERAVI

FIG. 2D

		1201		1250
AiBtR	(1175)	SGELTVVGAAQ-APLQRISATDEDEDGLHAGTVSFSVVGDDDEAMNYFDVWND		
SfBtR	(1157)	NGMLALANIASGEFLDRLSATDEDEDGLHAGRVTFSIAGNDEAAEYFNVLND		
HzBtR	(1148)	NGILATVDG---EFLDRIVATDEDEDGLEAGLVTFSIAGDDEDAQFFDVLND		
OnBtR	(1134)	GGVLATAAN---EFLEPIYATDEDEDGLHAGSVTFHVQGNEEAVQYFDITEV		
BmBtR	(1140)	NGLLATVDG---EFLNRIVATDEDEDGLHAGQVAFEVVGDTEAVDYFHHIVND		
MsBtR	(1141)	NGVLATVNG---EFLERISATDPDGLHAGVVTFQVVGDEESQRYFQVVND		
		1251		1300
AiBtR	(1224)	GE--NSGMLALKQALPDGFGQEFKLTIRATDAGDEPGPKSTDSTVTVVVFIP		
SfBtR	(1207)	GDN--SAMLTLKQALPAGVQQFELVIRATDGGTEPGPRSTDSCSVTVVVFVM		
HzBtR	(1195)	GVN--SGALTLTRLFPPEEFREFQVTIRATDGGTEPGPRSTDCLVTVVVFVP		
OnBtR	(1181)	GAGENSGQLILRQLFPQIRQFRITIRATDGGTEPGPLWTDVTFSVVVFVP		
BmBtR	(1187)	GE--NSGTLMLKQLFPEDIREFEVTIRATDGGTEPRPLSTDCTFSVVVFVP		
MsBtR	(1188)	GE--NLGSLRLLQAVPEEIREFRITIRATDQGTDPGPLSTDMTFRVVVFVP		
		1301		1350
AiBtR	(1272)	Q-VEPQFPNTQEVAFIEFEAGRSEHRLTAAVDQKNILCDIDCYTVYYT		
SfBtR	(1255)	TQGDVPFDDNAASVRFVEKEAGMSEKFQLPQADDPKNYRCMDDCHTIYYYS		
HzBtR	(1243)	TQGEVPFEDRTYTVAFVEKDEGMLEEALPRASDPRNIMCEDDCHDITYYS		
OnBtR	(1231)	TQGDVPFSENAATVAFFEGEEGLRESFELPQAEDLKNHLCEDDCQDIYYR		
BmBtR	(1235)	IQGEPIFPTSTHTVAFIEKEAGLLERHELPRAE DRKNHLCSDDCHNIYYR		
MsBtR	(1236)	TQGEPRFASSEHAVAFIEKSAGMEESHQLPLAQDIKNHLCEDDCHSIYYR		
		1351		1400
AiBtR	(1321)	IIGGNAAGHFALDG--NVLYLVSELDRAQAERHTLQVAASNV-PGVTTAA		
SfBtR	(1305)	IVDGNDDGHFAVEPETNVIYLLKPLDRSQEQYRVVVAASNT-PGGTSTL		
HzBtR	(1293)	IVGGNSGEHFTVDPRTNVLSLVKPLDRSEQETHTLIIGASDT-PNPAAVL		
OnBtR	(1281)	FIDGNNEGLFVLDQSSNVISLAQELDREVATSYTLHIAASNSPDATGIPL		
BmBtR	(1285)	IIDGNNDGHFGLDETTNVLFVKELD RSVSETYTLTIAASNS-PTGGIAL		
MsBtR	(1286)	IIDGNSEGHFGLDPVRNRLFLKKELIREQSASHTLQVAASNS-PDGGIPL		
		CryIA Binding domain		
		1401		1450
AiBtR	(1368)	PASTLTVIVTVREANPRPHFERNLYTTGMSATD TDSE RPLLTVSATHSEG		
SfBtR	(1354)	SSSLLTVTIGVREANPRPIFESEFYTAGVLHTDSIH-KELVYLA AKHSEG		
HzBtR	(1342)	QASTLTVTVNVREANPRPVFQ RALYTAGISAGDFIE-RNLLTLVATHSED		
OnBtR	(1331)	QTSILVVTVNVREANPRPIFEQDLYTAGISTLDSIG-RELLTVRASHTED		
BmBtR	(1334)	TS-TITITVNVREADPQPYFVRDLYTAGISTSDSIN-RELLILQATHSEN		
MsBtR	(1335)	PASILT VTVTVREADPRPVFVRELYTAGISTADSIG-RELLRLHATQSEG		
		CryIA Binding domain		
		1451		1500
AiBtR	(1418)	LPITYAIDQDSMVLDPTLEQVRESAFSMNPETGELMRMIQPNANMHGMFE		
SfBtR	(1403)	LPIVYSIDQETMKIDESLQTVVEDAFDINSATGVISLNFQPTSMVHG SFD		
HzBtR	(1391)	LPITYTLIQESMEADPTLEAVQESAFILNPETGVLSLNFQPTASMHGMFE		
OnBtR	(1380)	DTITYTIDRASMQLDSSLEAVRDSAFALHATTGVLSLNMQPTASMHGMFE		
BmBtR	(1382)	APIIYTIDWSTMVTDPTLASVRETAFILNPHTGVLT LN IQPTASMHGMFE		
MsBtR	(1384)	SAITYAIDYDTMVVDPSLEAVRQSAFVLNAQTGVLT LN IQPTATMHGLFK		
		CryIA Binding domain		

FIG. 2E

		1501		1550
AiBtR	(1468)	FDILATDTAGATGQSHVKVYLISRNRVYFTFYNSQESVQEHRTFIAQTF		
SfBtR	(1453)	FEVVASDTRGASDRAKVSIYMISTRVRVAFLFYNTAEVNERNFIAQTF		
HzBtR	(1441)	FEVKATDSRTETARTEVKVYLISDRNRVFFTFNNPLPEVTPQEDFIAETF		
OnBtR	(1430)	FDVIATDTASAIIDTARVKVYLISQNRVTFI FDNQLETVEQNRNFIAATF		
BmBtR	(1432)	FQVVATDPAGYSDRANVKIYLISTRNRVFFLFVNTLEQVEQNTDFIAQTF		
MsBtR	(1434)	FEVTATDTAGAQDRDVTVYVSSQNRVYFVFNLTQQVEDNRDFIADTF		
		Cry1A Binding domain		
		1551		1600
AiBtR	(1518)	TRVYSMTCNIEDIVPATD-SNGQYLTTETHVTAHFIRDDLPVDADDVQEL		
SfBtR	(1503)	ANAFGMTCNIDSVLPATD-ANGVIREGYTELQAHFIRDDQVPVADYIEGL		
HzBtR	(1491)	TAFFGMTCNIDQSWASDPVTGATKDDQTEVRAHFIRDDLPVPAEEIEQL		
OnBtR	(1480)	STGFNMTCNIDQVVPFSD-SSGVAQDDTTEVRAHFIRDNVPVQAQVEEAV		
BmBtR	(1482)	SAGFEMTCNIDQVVPATD-ASGVIMNGITEVRGHFIRDNVPVPADEIETL		
MsBtR	(1484)	SAGFNMTCNIDQVVPANDPVTGVALEHSTQMRGHFIRDNVPVLADEIEQI		
		1601		1650
AiBtR	(1567)	IEDTELFRELRTTMLGLGLQLTNVQSGLPSPVAGEDQMLAVYILAGLAGV		
SfBtR	(1552)	FTELNTLRDIREVLSTQQLTLLDFAAGGSAVLPGGEYALAVYILAGIAAL		
HzBtR	(1541)	RGNPTLVNSIQRALEEQLQLADLFTGETPILGGDAQARALYALAAVAAA		
OnBtR	(1529)	RSDTVLLRTIQLMLSTNSLVQLDLVTGDTPTLGEESMQIAVYALAAVSAV		
BmBtR	(1531)	RGDMVLLTAIQSTLATRLLVLRDLFTDTSPAP-DAGSAAVLYALAVLSAL		
MsBtR	(1534)	RSDLVLLSSIQTTLAARSLVLQDLLTNSSPDS-APDSSLTVYVVLASLSAV		
				<u>Trans-</u>
		1651		1700
AiBtR	(1617)	<u>LALLCIVLLITFIIRNRS</u> LNRRIAALSATKYNSVDSNLNRIGLAAPGTNK		
SfBtR	(1602)	<u>LAVICLALLIAFFIRN</u> RTLNRRIEALTIKDVP-TDIEPNHASVAVLNINK		
HzBtR	(1591)	<u>LALIVVVLLIVFFVR</u> TRTLNRRQLALSMTKYSSQDSGLNRVGLAAPGTNK		
OnBtR	(1579)	<u>LGFLCLVLLLALFCR</u> TRALNRQLQALSMTKYGSVDSGLNRAGLAP-GTNK		
BmBtR	(1580)	<u>LAALCLLLLVIIFI</u> IRTKKLNRRLEALTVKKYGSVDSGLNRVGIAAPGTNK		
MsBtR	(1583)	<u>LGFMCLVLLLTFI</u> IRTRALNRRLEALSMTKYGSLDGLNRAGIAAPGTNK		
		<u>membrane</u>		
		1701		1750
AiBtR	(1667)	HAFE-PNPIWNETIKAPDFDAISEQSNDSDLIGIEDLPQFRNDYFPPEQE		
SfBtR	(1651)	HTEPGSNPFYNPDVKTPNFDTISEVS--DDLLDVEDLEQFGKDYFPPENE		
HzBtR	(1641)	HAVEGSNPIWNETLKA		
OnBtR	(1628)	HAVEGSNPMWNEAIRAPDFDAISDASGSDLIGIEDMPQFRDDYFPPGDT		
BmBtR	(1630)	HAVEGSNPIWNETIKAPDFDSMSDASNDSDLIGIEDLPHFGENNYFPRDV		
MsBtR	(1633)	HTVEGSNPIFNEAIKTPDLDAISEGSNDSDLIGIEDLPHFGN---VFMDP		
		1751		1795
AiBtR	(1716)	IDMNSNDIGYPEMDARNPLPNHENNFYGSNAPFNPFTNSQSRR-		
SfBtR	(1699)	IESLN-----FARNPIATHGNNFGVNSSPSNPEFSNSQFRS-		
HzBtR	(1691)	SSMRG----VVNEHVPESIANHNNNFNFNSTPFSPEFANTQFRR-		
OnBtR	(1678)	DSSSGIVLHMGEATDNKPVTTGNNFGFKSTPYLPQPHPK-----		
BmBtR	(1680)	DEFK-----TDKPEDIVATHNNNFNFNSTPFSPEFANQFQK--		
MsBtR	(1680)	EVNE-----KANGYPEVANHNNNFNFAFNPTPFSPEFVNGQFRKI		

FIG. 2F